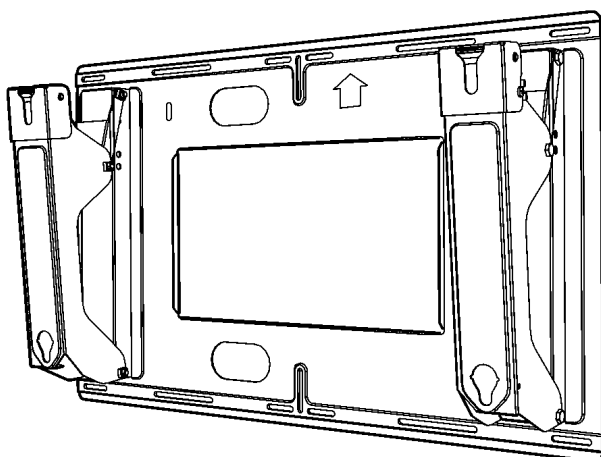


Service Manual

PLASMA TV wall-hanging bracket (Adjustable angle type)

TY-WK42PR3U

TY-WK42PR3W



Specifications

Dimensions (W × H × D)

main body	31 ⁵⁷ / ₆₄ " (810 mm) × 19 ¹⁹ / ₆₄ " (490 mm) × 5 ⁵ / ₆₄ " (129 mm)
with packing	37 ⁹ / ₃₂ " (947 mm) × 8 ¹³ / ₁₆ " (224 mm) × 21 ²⁷ / ₆₄ " (544 mm)

Mass (weight)

main body	19.84lb (9.0 kg)
with packing	30.86lb (14.0 kg)

Material

Melted galvanizing steel board (SGHC-F12)

WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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1 Safety precautions

To prevent injury to the user and others and to prevent damage to property, directions that must be followed are explained as shown below.

The following precautions must be followed in order to prevent danger to the user or other people, as well as equipment damage.

- The labels shown below indicate the severity of the danger or equipment damage that may occur if a precaution or warning is ignored and the product is used incorrectly.



Warning

This label indicates a danger of severe injury or even death.



Caution

This label indicates a danger of injury, or equipment damage.

- The type of action associated with each precaution is indicated using the pictographs shown below (example pictographs).



This pictograph indicates "Caution" — something you should beware of.



This pictograph indicates a "Prohibition" — something you must not do.



This pictograph indicates an "Instruction" — something you should always do.



Warning

Fitting work and connection equipment expansion should never be done by any other than a qualified installation specialist.



Forbidden

Incorrect fitting may cause equipment to fall, resulting in injury.

Do not fit at a location that cannot bear the load.



Forbidden

If the fitting location lacks sufficient strength the equipment may fall.

Include a safety factor when considering the strength of the proposed fitting location.



If strength is not sufficient the equipment may fall, resulting in injury.



Caution

Do not fit at any locations subject to humidity, dust, smoke, steam or heat.



Forbidden

This may have an adverse effect on the plasma TV and cause fire or electric shock.

Do not use any television and displays other than those given in the catalogue.



Forbidden

Otherwise the unit may be dropped and become damaged, and personal injury may result.

Do not fit facing upwards, sideways or upside down.



Forbidden

This may cause heat to build up inside the plasma TV unit, resulting in a fire.

The work of fitting or removing the plasma TV must be performed by at least two people.



The plasma TV may fall and cause injury.

Ensure there is a space of at least 100 mm (3 15/16 inches) at the top, bottom and sides of the plasma TV, and at least 89 mm (3 1/2 inches) clearance at the back.



The plasma TV unit has air blow holes on the top, and air suction holes on the bottom and rear. Covering these may result in a fire.



CAUTION

This wall-hanging bracket for use only with Panasonic Plasma TV Models. See apparatus instructions. Use with other models is capable of resulting in instability causing possible injury.

Models:

TH-37PX600, TH-42PX600, TH-50PX600 Series.

TH-37PX60, TH-42PX60, TH-50PX60 Series.

2 Requests regarding handing

- 1) Exercise care when selecting the location for the TV because it may discolor or deform due to light or heat if it is placed where it is exposed to direct sunlight, or near a heater.
- 2) Upkeep
Wipe with a dry cloth. If the unit is extremely soiled, first wipe off soiling with a neutral detergent diluted in water, and then wipe with a dry cloth. Do not use cleaners such as benzene, thinner or furniture wax because they may cause paint peeling. (If using a chemical wiping cloth, follow any precautions included.)
- 3) Do not affix adhesive tape or stickers to the product. Doing so may dirty the surface of the wall mounting bracket.
- 4) Take care during installation as shocks can cause 'panel cracks' to the plasma TV unit.

3 Installation construction procedure

3.1. Precautions for installation construction

Precautions for wall-hanging bracket fitting

- The wall-hanging bracket is for use in attaching a plasma TV unit to a vertical wall for viewing. Do not fit to any surface other than a vertical wall.
- To ensure correct plasma TV performance and prevent trouble, do not fit at any of the following locations.
 - Near sprinklers or fire/smoke detectors
 - Where there is a risk of exposure to vibration or impact
 - Near high-voltage wires or dynamic power supplies
 - Near sources of magnetism, heat, water vapor or soot
 - Locations exposed to air blown from heating equipment
- Fit using techniques suited to the structure and materials of the fitting location.
- Use commercially available screws with a nominal diameter of 6 mm that are suited to the wall material (wood, steel frame, concrete etc.) you are fitting the bracket to.
 - Fit so there is no contact between the attachment screws or power cord and any metal inside the wall.
 - For the TV power supply plug, use a power supply outlet that can be reached easily.
 - Ensure good air flow so that the equipment ambient temperature does not exceed 40 °C. Failure to do this may cause heat to build up inside the plasma TV, resulting in malfunction.

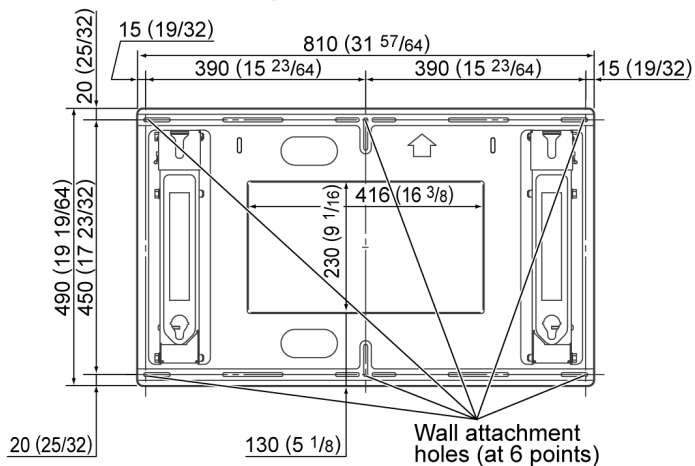
3.2. Fitting procedure

1. Confirm the strength of the proposed fitting location

- (1) The weight of the wall-hanging bracket is approximately 10 kg. For the weight of the plasma TV attached to the wall-hanging bracket, please see manual for the plasma TV.
- (2) Check the wall strength at the 6 attachment locations by referring to the dimension drawing of the wall-hanging bracket (given at right), and provide adequate reinforcement if strength is not sufficient.

Notes

- There are 16 holes in the wall-hanging bracket. If the wall material is wood, and adequate attachment strength cannot be ensured by fastening at the 6 points at right, use as many spare holes as necessary. However, exercise care because some wall materials may crack if screws are located too close together.
- For detailed dimensions for attaching the plasma TV, refer to the separate External Dimension Drawing.
- Do not attach or place anything other than the plasma TV on the bracket.



Unit : mm (inches)

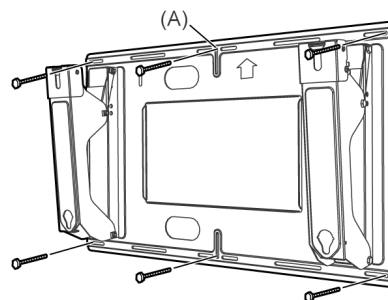
* Be sure to fit screws and tighten securely.

2. Fit wall-hanging bracket to wall

- (1) Fit so that the arrow marks on the wall-hanging bracket point upward.
- (2) Fasten the screw at the top center hole (A) first.
- (3) Using a level, correct any bracket inclination, and then fasten screws at the remaining 5 locations.

Notes

- If the wall consists of a material such as concrete, and bolts or nuts must be embedded beforehand, determine the hole positions using the actual wall-hanging bracket, or calculate hole positions based on the dimension drawing and then embed bolts or nuts with a nominal diameter of 6 mm. When embedding bolts, locate so that the bolts protrude from the wall by 10 to 15 mm (25/64 to 19/32 inches).
- Use commercially available screws with a nominal diameter of 6 mm that are suited to the wall material you are fitting the bracket to.
- Always fix firmly more than 6 places with a screw.



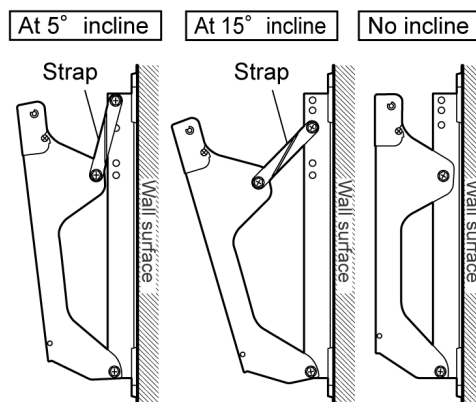
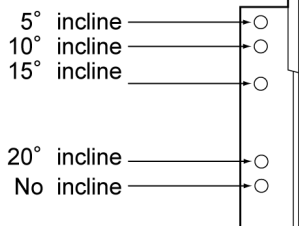
3. Angle adjustment of wall-hanging bracket

The angle of the wall-hanging bracket can be adjusted from "no incline" to "20° incline" in 5 settings at intervals of 5° . The bracket is set to 5° before shipment from the factory. To change the angle, move the attachment position of the strap.

Angle adjustment hole positions

Note

- The strap is not required for the 'no incline' setting. Store the strap and the attaching screws in a safe place (as they will be needed for the inclined settings.)



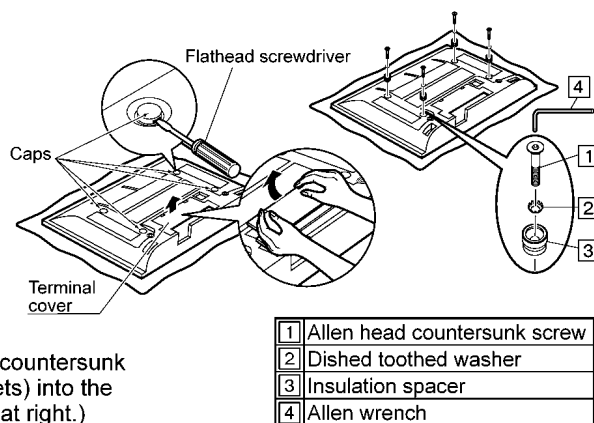
4. Prepare the plasma TV

Fit the insulation spacers to the plasma TV.

- (1) Place the plasma TV unit face down on a blanket or other soft cloth that is clean and free of debris, and follow the procedure below.
- (2) Remove terminal covers (if fitted) from the plasma TV.
- (3) Using a flathead screwdriver, remove the four caps from the plasma TV.

Note · Carefully retain the removed terminal cover and caps in a safe place. (They will be needed again later should it be required to use the special-purpose stand or standalone stand.)

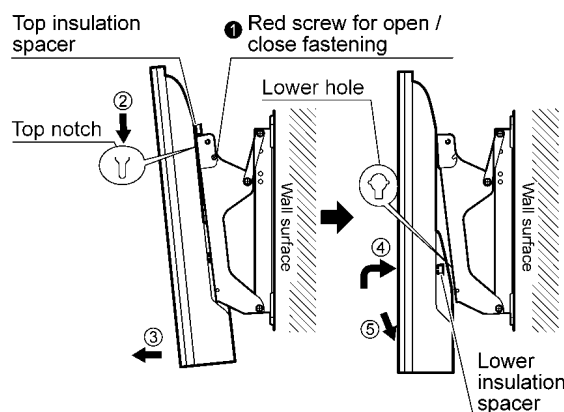
- (4) Using the included Allen wrench, fit the included Allen head countersunk screws, dished toothed washers and insulation spacers (4 sets) into the holes from where the caps were removed. (See the diagram at right.)



5. Attaching the plasma TV to the wall-hanging bracket and connecting the wiring

- (1) Remove the red screws for open/close fastening (one each on the left and right) ❶.
- (2) Hook the insulation spacers on the top of the plasma TV over the notches on the bracket, and allow the TV to hang from the bracket.
- (3) Pull the plasma TV body forward, as shown in the diagram at right, and connect the wiring.
- (4) After wiring is finished, slightly raise the plasma TV and insert the insulation spacers at the lower back into the holes at the base of the wall-hanging bracket.
- (5) Lower the plasma TV into place.

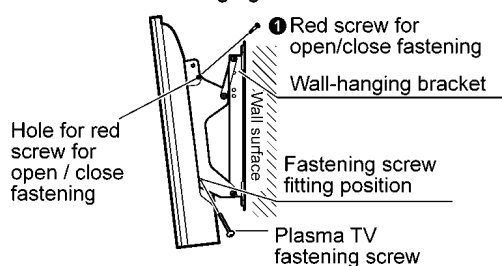
Caution · If the plasma TV is raised too far, there is a risk it may become unhooked from the top of the bracket.



6. Fastening the plasma TV

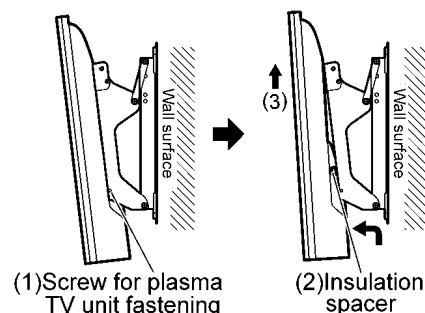
- (1) Fit the included fastening screws in the indicated holes at the sides of the wall-hanging bracket (left and right).
- (2) Securely refit the red screws for open/close fastening (one each on the left and right) ❶ in the indicated holes on the sides of the wall-hanging bracket.

Note · Be sure to fit the fastening screws on the left and right to keep the plasma TV from falling off the wall-hanging bracket.



7. Removal of plasma TV unit

- (1) Remove the screws for unit fastening (1 each on the left and right) that are fitted to the wall-hanging bracket sides.
- (2) While lifting the bottom of the plasma TV unit, pull it towards yourself.
- (3) When the lower insulation spacers are freed, keep lifting upward.



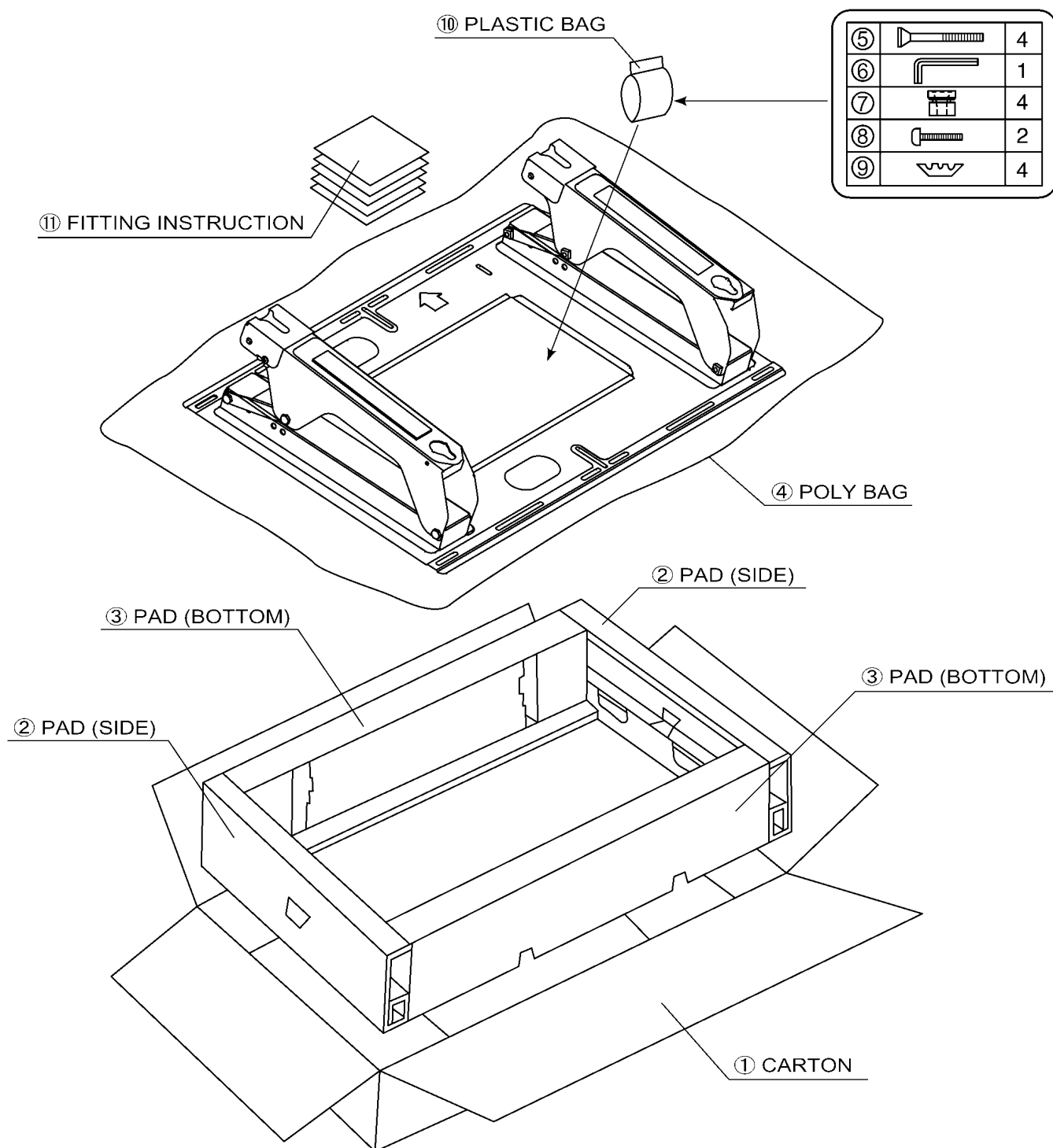
4 Replacement Parts List

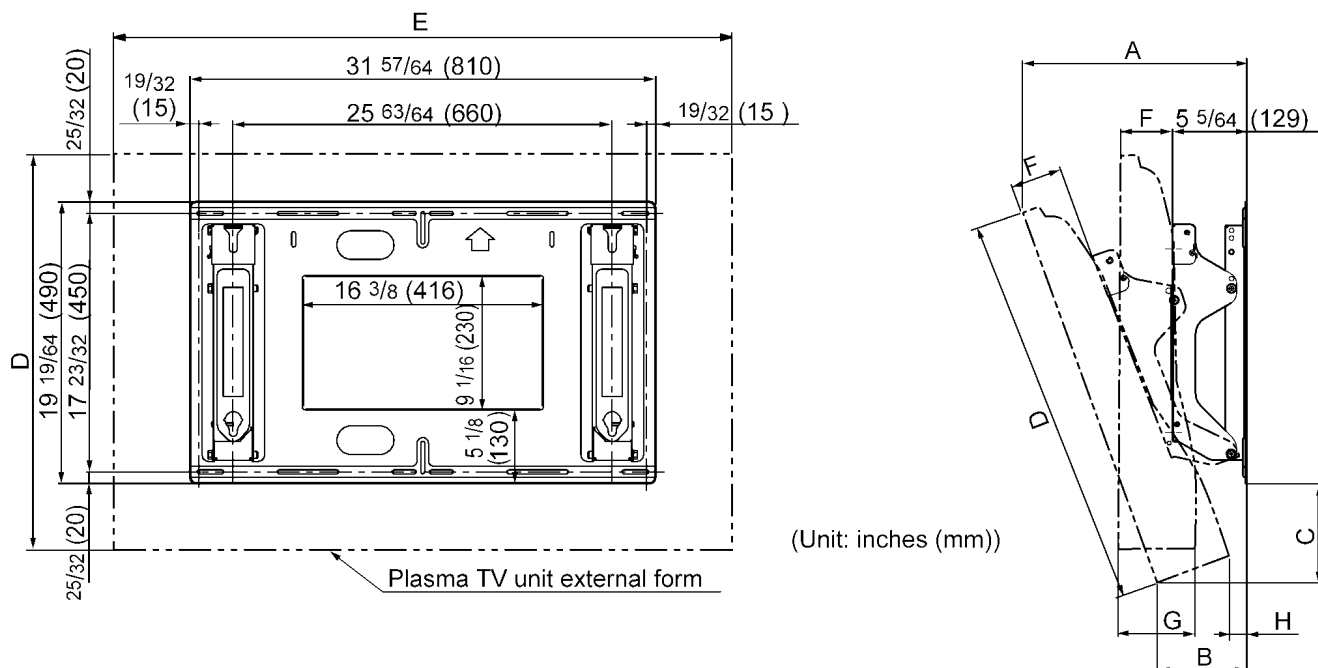
4.1. Parts List

TY-WK42PR3U/TY-WK42PR3W

Ref. No.	Part No.	Part Name & Description	Pcs	Remarks
1	TPCC01401	CARTON	1	TY-WK42PR3U
1	TPCC01501	CARTON	1	TY-WK42PR3W
2	TPDF1151	PAD (SIDE)	2	
3	TPDF1724	PAD (BOTTOM)	2	
4	TPEH249	POLY BAG (700*1100)	1	
5	THEA1199	SCREW (M8X50)	4	
6	TKKX0010-1	ALLEN WRENCH	1	
7	TMMX090	INSULATING SPACER	4	
8	XSN5+35V	SCREW (M5X35)	2	
9	XWC8DFJK	WASHER	4	
10	XZB14X20C08	PLASTIC BAG	1	
11	TQZH753	FITTING INSTRUCTION (JAPAN)	1	TY-WK42PR3U
11	TQZH754	FITTING INSTRUCTION (ENGLISH)	1	TY-WK42PR3U
11	TQZH755	FITTING INSTRUCTION (FRENCH)	1	TY-WK42PR3U
11	TQZH756	FITTING INSTRUCTION (DIMENSIONS)	1	TY-WK42PR3U
11	TQZH757	FITTING INSTRUCTION	1	TY-WK42PR3W
11	TQZH758	FITTING INSTRUCTION (SPAIN)	1	TY-WK42PR3U

4.2. Packing summary





■ External dimensions table <TH-42PX60U,TH-50PX60U,TH-42PD60U,TH-42PX6U,TH-50PX6U>

Applicable models	Dimensions	Attachment angle				
		0°	5°	10°	15°	20°
		inches (mm)	inches (mm)	inches (mm)	inches (mm)	inches (mm)
TH-42PX60U	A	8 57/64 (226)	10 35/64 (268)	12 11/64 (309)	13 21/32 (347)	15 1/8 (384)
	B	8 57/64 (226)	7 23/32 (196)	6 59/64 (176)	6 9/64 (156)	5 9/32 (134)
	C	5 15/16 (151)	6 37/64 (167)	7 1/8 (181)	7 19/32 (193)	7 63/64 (230)
	D	27 3/4 (705)				
	E	40 5/32 (1020)				
	F	3 47/64 (95)				
	G	3 47/64 (95)				
	H	5 1/8 (130)	4 13/32 (112)	3 21/32 (93)	2 29/32 (74)	2 11/64 (55)

Applicable models	Dimensions	Attachment angle				
		0°	5°	10°	15°	20°
		inches (mm)	inches (mm)	inches (mm)	inches (mm)	inches (mm)
TH-50PX60U	A	8 57/64 (226)	10 3/4 (273)	12 9/16 (319)	14 1/4 (362)	15 55/64 (403)
	B	8 57/64 (226)	7 33/64 (191)	6 37/64 (167)	5 35/64 (141)	4 17/32 (115)
	C	8 3/16 (208)	8 25/32 (223)	9 21/64 (237)	9 49/64 (248)	10 5/64 (256)
	D	32 13/64 (818)				
	E	47 41/64 (1210)				
	F	3 47/64 (95)				
	G	3 47/64 (95)				
	H	5 1/8 (130)	4 7/32 (107)	3 5/32 (84)	2 23/64 (60)	1 27/64 (36)

Applicable models	Dimensions	Attachment angle				
		0°	5°	10°	5°	20°
		inches (mm)	inches (mm)	inches (mm)	inches (mm)	inches (mm)
TH-42PD60U TH-42PX6U	A	8 15/16 (227)	10 5/8 (270)	12 1/4 (311)	13 25/32 (350)	15 13/64 (386)
	B	8 15/16 (227)	7 61/64 (202)	7 13/64 (183)	6 27/64 (163)	5 5/8 (143)
	C	5 45/64 (145)	6 17/64 (159)	6 25/32 (173)	7 21/64 (186)	7 3/4 (197)
	D	27 19/32 (701)				
	E	42 3/64 (1068)				
	F	3 25/32 (97)				
	G	3 25/32 (97)				
	H	5 1/8 (130)	4 17/32 (115)	3 25/32 (97)	3 7/64 (79)	2 23/64 (60)

Applicable models	Dimensions	Attachment angle				
		0°	5°	10°	5°	20°
		inches (mm)	inches (mm)	inches (mm)	inches (mm)	inches (mm)
TH-50PX6U	A	8 15/16 (227)	10 53/64 (275)	12 41/32 (321)	14 21/64 (364)	15 15/16 (405)
	B	8 15/16 (227)	7 3/4 (197)	6 27/32 (174)	5 55/64 (149)	4 27/32 (123)
	C	7 29/32 (201)	8 15/32 (215)	9 1/64 (229)	9 29/64 (240)	9 13/16 (250)
	D	32 3/64 (814)				
	E	49 31/64 (1257)				
	F	3 13/16 (97)				
	G	3 13/16 (97)				
	H	5 1/8 (130)	4 27/32 (123)	3 15/32 (88)	2 33/64 (64)	1 39/64 (41)